



## PART B - FEE(S) TRANSMITTAL

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28120 7590 08/27/2004

**ROPES & GRAY LLP  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110-2624**

11/29/2004 NNGUYEN2 00000017 181945 10054712

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|                    |                    |
|--------------------|--------------------|
| Ginny Blundell     | (Depositor's name) |
| <i>[Signature]</i> | (Signature)        |
| November 23, 2004  | (Date)             |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/054,712      | 11/13/2001  | Gerald Crabtree      | APBI-P08-317        | 6836             |

TITLE OF INVENTION: REGULATED APOPTOSIS

| APPLN. TYPE    | SMALL ENTITY      | ISSUE FEE               | PUBLICATION FEE | TOTAL FEE(S) DUE        | DATE DUE   |
|----------------|-------------------|-------------------------|-----------------|-------------------------|------------|
| nonprovisional | <del>YES</del> NO | <del>\$605</del> \$1370 | \$300           | <del>\$905</del> \$1670 | 11/29/2004 |

| EXAMINER            | ART UNIT | CLASS-SUBCLASS |
|---------------------|----------|----------------|
| LAMBERTSON, DAVID A | 1636     | 530-350000     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 ROPES &amp; GRAY LLP

2

3

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

## (A) NAME OF ASSIGNEE

Board of Trustees of the Leland Stanford Junior University, Stanford, California  
President and Fellows of Harvard College, Cambridge, Massachusetts

## (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

## 4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 10

## 4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 18-1945 (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☒ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature *[Signature]*  
Typed or printed name Melissa S. Rones, Ph.D.

Date November 23, 2004  
Registration No. 54,408

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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|   |                    |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
|---|--------------------|------|--|---|--|--|--|--------------------|-----------|-------------|-------------------|----------------------|--------------------|---------------|------------------|----------|------|---------------------|--------------|
| <h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2005</h2> <p style="font-size: small; margin: 0;">Effective 10/01/2004. Patent fees are subject to annual revision.</p> |                    |      |  | <p><b>Complete if Known</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td>10/054712</td></tr> <tr><td>Filing Date</td><td>November 13, 2001</td></tr> <tr><td>First Named Inventor</td><td>Gerald R. Crabtree</td></tr> <tr><td>Examiner Name</td><td>D. A. Lambertson</td></tr> <tr><td>Art Unit</td><td>1636</td></tr> <tr><td>Attorney Docket No.</td><td>APBI-P08-317</td></tr> </table> |  |  |  | Application Number | 10/054712 | Filing Date | November 13, 2001 | First Named Inventor | Gerald R. Crabtree | Examiner Name | D. A. Lambertson | Art Unit | 1636 | Attorney Docket No. | APBI-P08-317 |
| Application Number  | 10/054712          |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
| Filing Date   | November 13, 2001  |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
| First Named Inventor  | Gerald R. Crabtree |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
| Examiner Name   | D. A. Lambertson   |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
| Art Unit  | 1636               |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
| Attorney Docket No.   | APBI-P08-317       |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27  |                    |      |  |   |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |
| TOTAL AMOUNT OF PAYMENT   |                    | (\$) |  | 1,700.00  |  |  |  |                    |           |             |                   |                      |                    |               |                  |          |      |                     |              |

  

| METHOD OF PAYMENT (check all that apply)   |          |              |          | FEE CALCULATION (continued)  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
|--|----------|--------------|----------|--|--------------------------------------|--|--|--------------|--|--------------|--|-----------------|----------|----------|----------|----------|----------|------|-----|------|----|-------------------------------------|--|------|----|------|----|---|--|------|-----|------|-----|---------------------------|--|------|-------|------|-------|--|--|------|------|------|------|--|--|------|--------|------|--------|---|--|------|-----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-------|------|-----|---|--|------|-------|------|-------|--|--|------|-----|------|-----|------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|--------------------------|--|------|-------|------|-------|---|--|------|-----|------|----|----------------------------------|--|------|-------|------|-----|------------------------------------|--|------|-------|------|-----|--------------------------------|----------|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|---|--|--|--|--|--------|---------------------------|--|--|--|--|-------|-----------------------------------|--|--|--|--|--------------------------------------|
| <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input checked="" type="checkbox"/> Deposit Account:<br>Deposit Account Number: 18-1945<br>Deposit Account Name: Ropes & Gray LLP<br>The Director is authorized to: (check all that apply)<br><input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments<br><input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. |          |              |          | <h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>430</td><td>2252</td><td>215</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>980</td><td>2253</td><td>490</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,530</td><td>2254</td><td>765</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,080</td><td>2255</td><td>1,040</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>340</td><td>2401</td><td>170</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>340</td><td>2402</td><td>170</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>300</td><td>2403</td><td>150</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,370</td><td>2453</td><td>685</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,370</td><td>2501</td><td>685</td><td>Utility issue fee (or reissue)</td><td>1,370.00</td></tr> <tr><td>1502</td><td>490</td><td>2502</td><td>245</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>660</td><td>2503</td><td>330</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>790</td><td>2809</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>790</td><td>2810</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="5">Other fee (specify) Publication fee for early, voluntary, or normal publication</td><td>300.00</td></tr> <tr><td colspan="5">Advance Order - 10 copies</td><td>30.00</td></tr> <tr> <td colspan="5" style="text-align: right;">*Reduced by Basic Filing Fee Paid</td> <td> <b>SUBTOTAL (3)</b> (\$)<br/>1,700.00         </td> </tr> </tbody> </table> |                                      |  |  | Large Entity |  | Small Entity |  | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |  | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet. |  | 1053 | 130 | 1053 | 130 | Non-English specification |  | 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination |  | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |  | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |  | 1251 | 110 | 2251 | 55 | Extension for reply within first month |  | 1252 | 430 | 2252 | 215 | Extension for reply within second month |  | 1253 | 980 | 2253 | 490 | Extension for reply within third month |  | 1254 | 1,530 | 2254 | 765 | Extension for reply within fourth month |  | 1255 | 2,080 | 2255 | 1,040 | Extension for reply within fifth month |  | 1401 | 340 | 2401 | 170 | Notice of Appeal |  | 1402 | 340 | 2402 | 170 | Filing a brief in support of an appeal |  | 1403 | 300 | 2403 | 150 | Request for oral hearing |  | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |  | 1453 | 1,370 | 2453 | 685 | Petition to revive - unintentional |  | 1501 | 1,370 | 2501 | 685 | Utility issue fee (or reissue) | 1,370.00 | 1502 | 490 | 2502 | 245 | Design issue fee |  | 1503 | 660 | 2503 | 330 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 790 | 2809 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) |  | 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  | Other fee (specify) Publication fee for early, voluntary, or normal publication |  |  |  |  | 300.00 | Advance Order - 10 copies |  |  |  |  | 30.00 | *Reduced by Basic Filing Fee Paid |  |  |  |  | <b>SUBTOTAL (3)</b> (\$)<br>1,700.00 |
| Large Entity   |          | Small Entity |          | Fee Description  | Fee Paid                             |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| Fee Code   | Fee (\$) | Fee Code     | Fee (\$) |  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1051   | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1052   | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet.  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1053   | 130      | 1053         | 130      | Non-English specification  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1812   | 2,520    | 1812         | 2,520    | For filing a request for <i>ex parte</i> reexamination   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1804   | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1805   | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1251   | 110      | 2251         | 55       | Extension for reply within first month   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1252   | 430      | 2252         | 215      | Extension for reply within second month  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1253   | 980      | 2253         | 490      | Extension for reply within third month   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1254   | 1,530    | 2254         | 765      | Extension for reply within fourth month  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1255   | 2,080    | 2255         | 1,040    | Extension for reply within fifth month   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1401   | 340      | 2401         | 170      | Notice of Appeal   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1402   | 340      | 2402         | 170      | Filing a brief in support of an appeal   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1403   | 300      | 2403         | 150      | Request for oral hearing   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1451   | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1452   | 110      | 2452         | 55       | Petition to revive - unavoidable   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1453   | 1,370    | 2453         | 685      | Petition to revive - unintentional   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1501   | 1,370    | 2501         | 685      | Utility issue fee (or reissue)   | 1,370.00                             |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1502   | 490      | 2502         | 245      | Design issue fee   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1503   | 660      | 2503         | 330      | Plant issue fee  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1460   | 130      | 1460         | 130      | Petitions to the Commissioner  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1807   | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1806   | 180      | 1806         | 180      | Submission of Information Disclosure Stmt  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 8021   | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties)   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1809   | 790      | 2809         | 395      | Filing a submission after final rejection (37 CFR 1.129(a))  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1810   | 790      | 2810         | 395      | For each additional invention to be examined (37 CFR 1.129(b))   |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1801   | 790      | 2801         | 395      | Request for Continued Examination (RCE)  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| 1802   | 900      | 1802         | 900      | Request for expedited examination of a design application  |                                      |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| Other fee (specify) Publication fee for early, voluntary, or normal publication  |          |              |          |  | 300.00                               |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| Advance Order - 10 copies  |          |              |          |  | 30.00                                |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |
| *Reduced by Basic Filing Fee Paid  |          |              |          |  | <b>SUBTOTAL (3)</b> (\$)<br>1,700.00 |  |  |              |  |              |  |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |   |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |      |        |      |        |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |          |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |  |        |                           |  |  |  |  |       |                                   |  |  |  |  |                                      |

  

| FEE CALCULATION  |          |              |          |  |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
|--|----------|--------------|----------|--|----------------|--------------|------|-----------------|----------------|----------|----------|--------------------|----------|--------|-----|------|-----|--------------------|------|--------------------|-----|------|-----|-------------------|--|------|-----|--------------|-----|------------------|--|-----------------|----------|----------|----------|--------------------|----------|------|-----|------|----|------------------------|--|--------------------------|----|------|----|-----------------------------------|------|------|-----|------|-----|---------------------------------------|--|------|----|------|----|--|--|------|----|------|---|--|--|--------------------------|--|--|--|--|------|
| <h3 style="margin: 0;">1. BASIC FILING FEE</h3> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>790</td><td>2001</td><td>395</td><td>Utility filing fee</td><td></td></tr> <tr><td>1002</td><td>350</td><td>2002</td><td>175</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>550</td><td>2003</td><td>275</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>790</td><td>2004</td><td>395</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b> (\$)</td> <td>0.00</td> </tr> </tbody> </table>  |          |              |          | Large Entity   |                | Small Entity |      | Fee Description | Fee Paid       | Fee Code | Fee (\$) | Fee Code           | Fee (\$) | 1001   | 790 | 2001 | 395 | Utility filing fee |      | 1002               | 350 | 2002 | 175 | Design filing fee |  | 1003 | 550 | 2003         | 275 | Plant filing fee |  | 1004            | 790      | 2004     | 395      | Reissue filing fee |          | 1005 | 160 | 2005 | 80 | Provisional filing fee |  | <b>SUBTOTAL (1)</b> (\$) |    |      |    |                                   | 0.00 |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| Large Entity   |          | Small Entity |          | Fee Description  | Fee Paid       |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| Fee Code   | Fee (\$) | Fee Code     | Fee (\$) |  |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1001   | 790      | 2001         | 395      | Utility filing fee   |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1002   | 350      | 2002         | 175      | Design filing fee  |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1003   | 550      | 2003         | 275      | Plant filing fee   |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1004   | 790      | 2004         | 395      | Reissue filing fee   |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1005   | 160      | 2005         | 80       | Provisional filing fee                                     |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| <b>SUBTOTAL (1)</b> (\$)   |          |              |          |  | 0.00           |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| <h3 style="margin: 0;">2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</h3> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Total Claims</td> <td>23</td> <td>-23** =</td> <td></td> <td>x</td> <td>Fee from below</td> <td>=</td> <td>0.00</td> </tr> <tr> <td>Independent Claims</td> <td>5</td> <td>-5** =</td> <td></td> <td>x</td> <td></td> <td>=</td> <td>0.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>=</td> <td></td> </tr> </table><br><table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>88</td><td>2201</td><td>44</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>300</td><td>2203</td><td>150</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>88</td><td>2204</td><td>44</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b> (\$)</td> <td>0.00</td> </tr> </tbody> </table> <p style="font-size: x-small; margin-top: 5px;">**or number previously paid, if greater; For Reissues, see above</p> |          |              |          | Total Claims   | 23             | -23** =      |      | x               | Fee from below | =        | 0.00     | Independent Claims | 5        | -5** = |     | x    |     | =                  | 0.00 | Multiple Dependent |     |      |     |                   |  | =    |     | Large Entity |     | Small Entity     |  | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code           | Fee (\$) | 1202 | 18  | 2202 | 9  | Claims in excess of 20 |  | 1201                     | 88 | 2201 | 44 | Independent claims in excess of 3 |      | 1203 | 300 | 2203 | 150 | Multiple dependent claim, if not paid |  | 1204 | 88 | 2204 | 44 | ** Reissue independent claims over original patent |  | 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |  | <b>SUBTOTAL (2)</b> (\$) |  |  |  |  | 0.00 |
| Total Claims   | 23       | -23** =      |          | x  | Fee from below | =            | 0.00 |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| Independent Claims   | 5        | -5** =       |          | x  |                | =            | 0.00 |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| Multiple Dependent   |          |              |          |  |                | =            |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| Large Entity   |          | Small Entity |          | Fee Description  | Fee Paid       |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| Fee Code   | Fee (\$) | Fee Code     | Fee (\$) |  |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1202   | 18       | 2202         | 9        | Claims in excess of 20                                     |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1201   | 88       | 2201         | 44       | Independent claims in excess of 3                          |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1203   | 300      | 2203         | 150      | Multiple dependent claim, if not paid                      |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1204   | 88       | 2204         | 44       | ** Reissue independent claims over original patent         |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| 1205   | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |                |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |
| <b>SUBTOTAL (2)</b> (\$)   |          |              |          |  | 0.00           |              |      |                 |                |          |          |                    |          |        |     |      |     |                    |      |                    |     |      |     |                   |  |      |     |              |     |                  |  |                 |          |          |          |                    |          |      |     |      |    |                        |  |                          |    |      |    |                                   |      |      |     |      |     |                                       |  |      |    |      |    |  |  |      |    |      |   |  |  |                          |  |  |  |  |      |

  

|                   |                         |  |  |                                   |                   |  |           |                |
|-------------------|-------------------------|--|--|-----------------------------------|-------------------|--|-----------|----------------|
| SUBMITTED BY      |                         |  |  | (Complete (if applicable))        |                   |  |           |                |
| Name (Print/Type) | Melissa S. Rones, Ph.D. |  |  | Registration No. (Attorney/Agent) | 54,408            |  | Telephone | (617) 951-7653 |
| Signature         |                         |  |  | Date                              | November 23, 2004 |  |           |                |

  

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 11/23/04      Signature: (Ginny Blundell)